

FIGURE 1
SHEET 1 OF 9

Labeling of Synthesis Beads with Chemical Tags

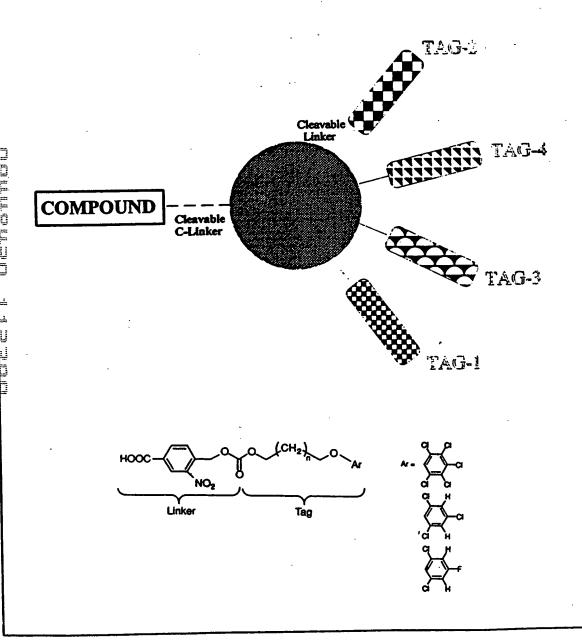


FIGURE 2

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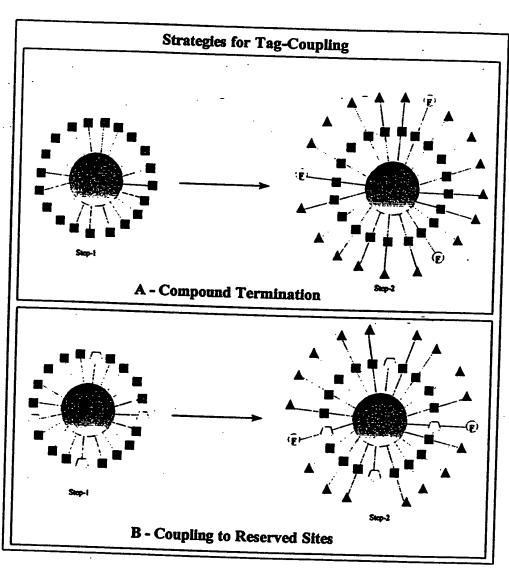
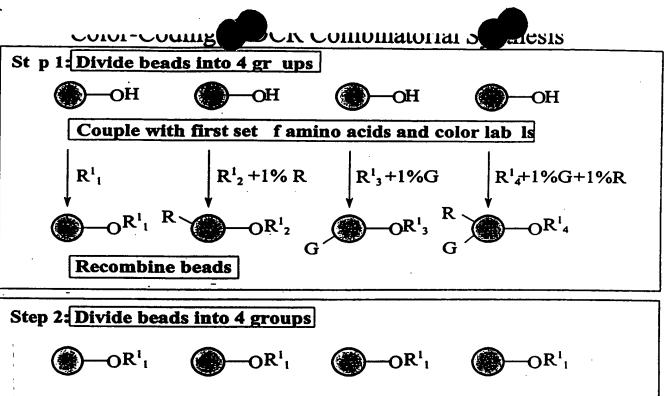


FIGURE 3

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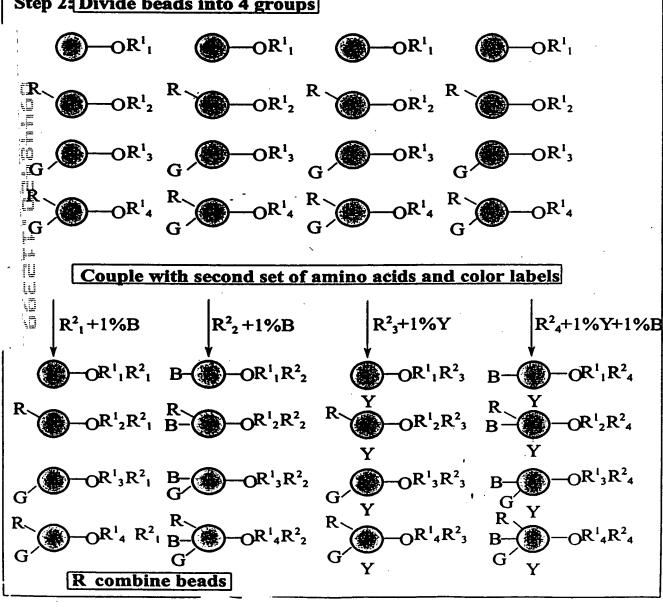
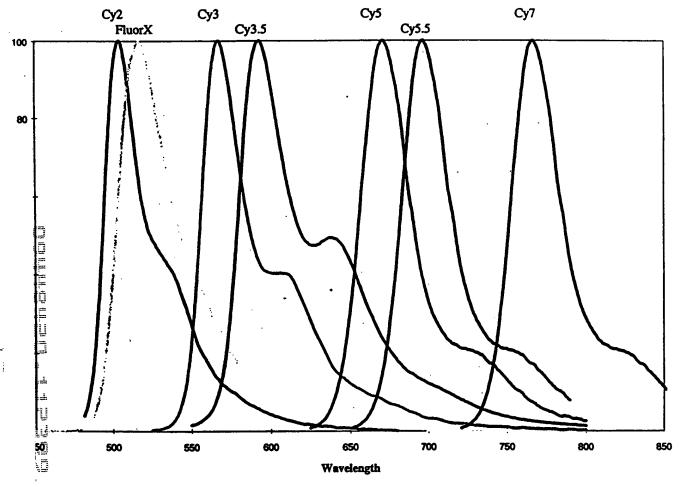


FIGURE 4

Emission Spectra of the CyDye Fluorescent Dyes



Fluorophore	Color Of Fluorescence	Absorption Maximum (nm)	Fluorescence Maximum (nm)	Extinction Coefficient (M'cm')	Quantum Yield for protein conjugates	Formula Weight (daltons)	
						Bisfnc.	Monofne.
Cy2	George -	489 nm	506 nm	~ 150,000	>0.12	896.95	713.78
Cy3	Orange	550 nm	570 nm	150,000	>0.15 '	949.11	765.95
Cy3.5	Scarlet		596 nm	150,000	>0.15	1285.54	1102.37
Cy5	Far-Red	649 nm	670 nm	250,000	>0.28	975.15	791.99
Cy5.5	Near IR	675 am	694 nm	250,000	>0.28	1311.58	1128.41
Cy7	Near IR	743 nm	767 nm	~ 250,000	~ 0.28	1001.19	818.02
FluorX	Green	494 nm	520 nm	68,000	0.3		586.6

FIGURE 5

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Multi-Agent Diagnostic Assay In Bead-Array Format Transparent Cover Beads in Buffer Side View Planar Substrate Not to Scale N RandomBead Array (5 Colors) Top View

FIGURE 6

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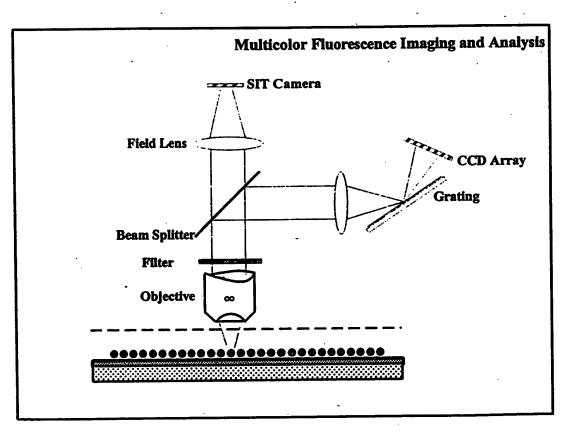


FIGURE 7

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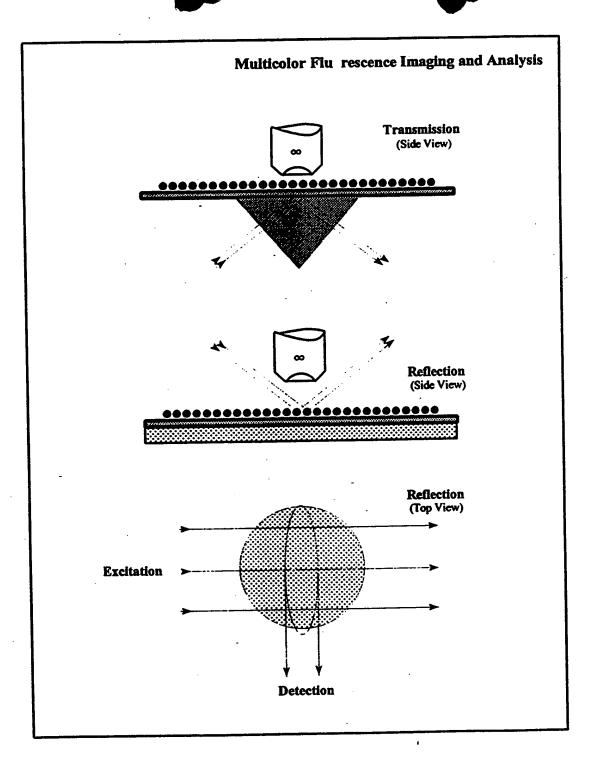
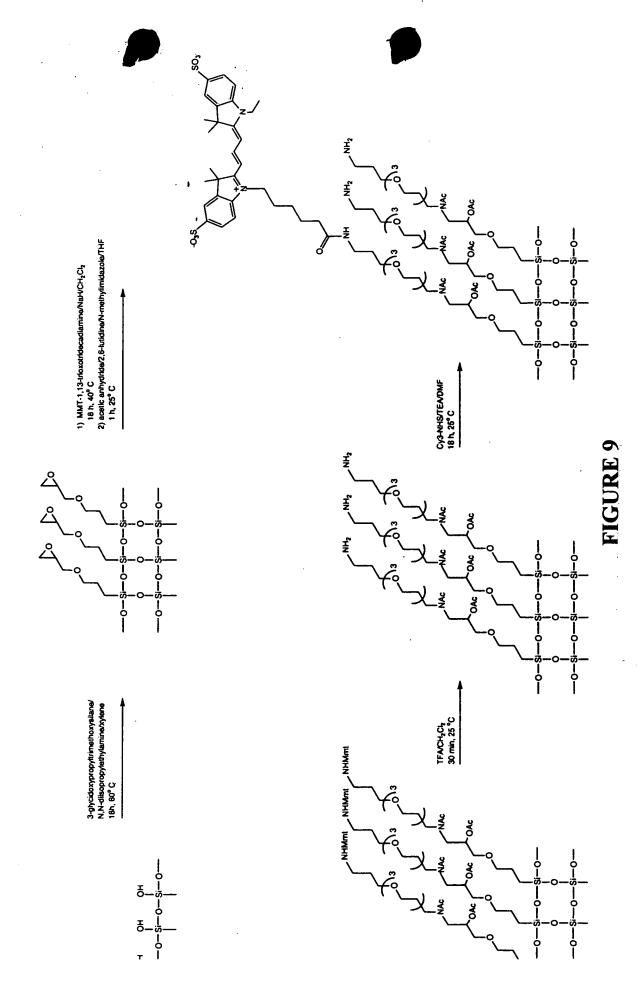


FIGURE 8
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